PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	•			
To:	PCT F25			
BRAD A. ARMSTRONG P. O. BOX 1419	PCT F 23			
PARADISE,, CA 95967	NOTIFICATION OF TRANSMITTAL OF			
, , , , , , , , , , , , , , , , , , , ,	THE INTERNATIONAL SEARCH REPORT			
	OR THE DECLARATION			
	(PCT Rule 44.1)			
	Date of Mailing			
	(day/month/year) 13 OCT 2000			
Applicant's or agent's file reference				
NONE	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No.				
PCT/US00/12840	International filing date (day/month/year)			
	10 May 2000 (10.05.2000)			
Applicant ARMSTRONG, BRAD A.				
ANGINOTO, BRAD A.				
1. The applicant is hereby notified that the international search report has been established and is transmitted herewith.				
rung vi autoniments and statement under Article 10.				
The applicant is entitled, if he so wishes, to amend the claims	of the international application (see Rule 46):			
When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompany sheet.				
Where? Directly to the International Bureau of WIPO				
34, chemin des Colombettes				
1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35				
For more detailed instructions, see the notes on the accompanying sheet.				
 The applicant is hereby notified that no international search rep Article 17(2)(a) to that effect is transmitted herewith. 	ort will be established and that the declaration under			
3. With regard to the protest against payment of (an) additional	fee(s) under Rule 40.2, the applicant is notified that:			
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.				
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.				
Shortly after 18 months from the priority date, the international application will be published by the International Bureau.				
priority claim, must reach the International Bureau as provided in rules 90 his 1 and 90 his 2 account to the second seco				
publication.				
Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).				
Within 20 months from the priority date, the applicant must perform the prescribed agts for anti- into the priority date, the applicant must perform the prescribed agts for anti- into the priority date.				
to the designation of the designation of the designation with the second of the second				
priority date or could not be elected because they are not bound by Chapter II.				
V I III	A			
Name and mailing address of the ISA/US	Authorized Officer			
Commissioner of Patents and Trademarks Box PCT (KEN, WIEDER				
Washington, D.C. 20231				
Pacsimile No. (703)305-3230	Telephone No. 703-305-4800			
orm PCT/ISA/220 (July 1998)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

International application No. PCT/US00/12840 International filing date (day/month/year) Applicant ARMSTRONG, BRAD A. This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report. 1. Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in language in which it was filed, unless otherwise indicated under this item. the international search was carried out on the basis of a translation of the international application furnished to the Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing: contained in the international application in written form. filed together with the international application in written form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form.	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.						
ARMSTRONG, BRAD A. This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of	ur)						
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furnished subsequently to this Authority in computer readable form.							
the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.							
the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.							
Certain claims were found unsearchable (See Box I).							
3. Unity of invention is lacking (See Box II). 4. With regard to the title							
With regard to the title, the text is approved as submitted by the applicant.							
the text has been established by this Authority to read as follows:	ļ						
5. With regard to the abstract,							
the text is approved as submitted by the applicant.							
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant							
may, within one month from the date of mailing of this international search report, submit comments to this Authority.							
6. The figure of the drawings to be published with the abstract is Figure No. 18	Ì						
as suggested by the applicant. None of the figures							
because the applicant failed to suggest a figure.							
because this figure better characterizes the invention. orm PCT/ISA/210 (first sheet) (July 1998)							

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/12840

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

NEW ABSTRACT

In a visual display electronic device, the housing (11) has at least one human user depressible surface with associated analog pressure-sensitive elements (80, 82) for output of variable value utilized by the circuitry (53) to control or manipulate one or more functions of the devices. The at least one analog pressure-sensitive elements (80, 82) receive pressure applied by a user's finger or thumb (76) to the depressible surface, varied pressure applied by the user detrmines varied value of the signal. The resultant control manipulation from the analog variable value is in some manner indicated, displayed or made visuable detectable on the display at least at the time of manipulation so that the user receives visual feedback allowing termination, increase or decrease, if needed or desired of finger pressure on the depressible surface or the analog sensor. Some examples of functions which can be manipulated in various kinds of electronics apparatuses.

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/12840

IPC(7)	SSIFICATION OF SUBJECT MATTER : G069G 5/08; H03K 17/94					
US CL According to						
B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) U.S.: 345/159; 341/35						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) seve-segment, LED, variable-pressure-resistor, electronic-devices, display, housing, circuitry, visual feedback.						
	UMENTS CONSIDERED TO BE RELEVANT		<u> </u>			
Category * A,P	Citation of document, with indication, where US 6,040,821 A (FRANZ ET AL.) 21 March 200	appropriate, of the relevant passages	Relevant to claim No.			
A,r	US 6,040,821 A (FRANZ ET AL.) 21 March 200	0.	1-22			
A	US 4,786,895 A (CASTANEDA) 22 November 1988.		1-22			
A	US 4,673,919 A (KATAOKA) 16 June 1987.		1-22			
A	5,675,329 A (BARKER ET AL.) 07 October 1997.		1-22			
x	US 4,313,113 A (THORNBURG) 26 January 1982, col. 1, lines 1-10, col. 3, lines 44-64.					
 Y						
Y	US 5,396,235 A (MAESHIMA ET AL.) 07 March 1995, col. 3, lines 20-22, col. 3, lines		3-19 and 22			
1	45-58, col. 1, lines 13-15, and figure 1.	1 1995, col. 3, lines 20-22, col. 3, lines	3-19 and 22			
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			<u>'</u>			
	documents are listed in the continuation of Box C.	See patent family annex.				
	Special categories of cited documents: "T" later document published after the international filing date or prior date and not in conflict with the application but cited to understant		nternational filing date or priority			
"A" document of of particula	defining the general state of the art which is not considered to be ar relevance	principle or theory underlying the i	tvention			
	dication or patent published on or after the international filing date	"X" document of particular relevance; to considered novel or cannot be consi when the document is taken alone	he claimed invention cannot be dered to involve an inventive step			
"L" document v establish th specified)	which may throw doubts on priority claim(s) or which is cited to se publication date of another citation or other special reason (as	"Y" document of particular relevance; to considered to involve an inventive s	tep when the document is			
"O" document r	referring to an oral disclosure, use, exhibition or other means	combined with one or more other st being obvious to a person skilled in	sch documents, such combination			
"P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed		nt family				
Date of the ac	tual completion of the international search	Date of mailing of the international search report				
22 September	2000 (22.09.2000)	13 OCT 2000				
Name and mailing address of the ISA/US A		Authorized officer				
Commissioner of Patents and Trademarks Box PCT		KEN WIEDER				
Washington, D.C. 20231 Facsimile No. (703)305-3230		Telephone No. 703-305-4800				
1 clephote 10. 703-303-4000						

Form PCT/ISA/210 (second sheet) (July 1998)